

OCT 06 2004

Sheet 1 of 7

SUBSTITUTE FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

Attorney Docket No.

00742/062004

Serial No.

10/828,815

Applicant

Thomas L. Benjamin

Filing Date

April 21, 2004

Group

1632

IDS Filed

October 4, 2004

Customer No.

21559

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

(37 C.F.R. §1.98(b))

## U.S. PATENTS

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
QJL	5,527,695	06/18/96	Hodges et al.			
	5,677,178	10/14/97	McCormick			
	5,744,133	04/28/98	Lathe et al.			
	5,917,124	06/29/99	Gordon et al.			
	6,007,806	12/28/99	Lathe et al.			
	6,033,857	03/07/00	Tavtigian et al.			
	6,214,544	04/10/01	Fisher			
	6,296,853 B1	10/02/01	Androphy et al.			
	6,344,195 B1	02/05/02	Lee et al.			
	6,596,268 B1	07/22/03	Coffey et al.			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
QJL	WO 94/18992	Sept. 1, 1994	WIPO			
	WO 94/29442	Dec. 22, 1994	WIPO			
	WO 96/01313	Jan. 18, 1996	WIPO			
	WO 96/40892	Dec. 19, 1996	WIPO			
	WO 98/42195	Jan. 10, 1998	WIPO			

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

QJL	Aravind and Koonin, "SAP - A Putative DNA-Binding Motif Involved in Chromosomal Organization," <i>Trends Biochem. Sci.</i> 25:112-114 (2000).
	Bandera et al., "Deletion Mapping of Two Potential Chromosome 14 Tumor Suppressor Gene Loci in Ovarian Carcinoma," <i>Cancer Res.</i> 57:513-515 (1997).
	Benjamin, "Host Range Mutants of Polyoma Virus," <i>Proc. Natl. Acad. Sci. USA</i> 67:394-399 (1970).
	Benjamin et al., U.S. Patent Application Publication No. US 2002/0147996 A1, published October 10, 2002.
	Benjamin et al., U.S. Patent Application Publication No. US 2002/0156039 A1, published October 24, 2002.
	Benjamin et al., U.S. Patent Application Publication No. US 2003/0157481 A1, published August 21, 2003.
	Benjamin et al., U.S. Patent Application Publication No. US 2004/0146861 A1, published July 29, 2004.
	Benjamin et al., U.S. Patent Application Publication No. US 2002/0018765 A1, published February 14, 2002.

EXAMINER

/Q. Janice Li/ (09/19/2006)

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 C.F.R. §1.98(b))		Attorney Docket No. 00742/062004  Serial No. 10/828,815  Applicant Thomas L. Benjamin  Filing Date April 21, 2004  Group 1632  IDS Filed October 4, 2004  Customer No. 21559				
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
QJL	Boysen et al., "Analysis of the 1.1-Mb Human $\alpha/\delta$ T-Cell Receptor Locus with Bacterial Artificial Chromosome Clones," <i>Genome Res.</i> 7:330-338 (1997).					
	Caldarelli-Stefano et al., "JC Virus in Human Glial-Derived Tumors," <i>Hum. Pathol.</i> 31:394-395 (2000).					
	Carbone et al., "SV40-Like Sequences in Human Bone Tumors," <i>Oncogene</i> 13:527-535 (1996).					
	Chang et al., "Novel Suppressor Loci on Chromosome 14q in Primary Bladder Cancer," <i>Cancer Res.</i> 55:3246-3249 (1995).					
	Costa et al., "Human DNA Helicase VIII: A DNA and RNA Helicase Corresponding to the G3BP Protein, an Element of the Ras Transduction Pathway," <i>Nucleic Acids Res.</i> 27:817-821 (1999).					
	Cui, "Transcriptional Coactivation of Bone-Specific Transcription Factor Cbfa1 by TAZ," <i>Molecular and Cellular Biology</i> 23:1004-1013 (2003).					
	Debelenko et al., "Identification of <i>MEN1</i> Gene Mutations in Sporadic Carcinoid Tumors of the Lung," <i>Hum. Mol. Genet.</i> 6:2285-2290 (1997).					
	Deonarain, "Ligand-Targeted Receptor-Mediated Vectors for Gene Delivery," <i>Exp. Opin. Ther. Patents</i> 8:53-69 (1998).					
	Eck and Wilson, "Chapter 5: Gene-Based Therapy," in <i>Goodman &amp; Gilman's The Pharmacological Basis of Therapeutics</i> , 9th Edition, McGraw-Hill, pp. 77-102 (1995).					
	Emmert-Buck et al., "Allelic Loss on Chromosome 8p12-21 in Microdissected Prostatic Intraepithelial Neoplasia," <i>Cancer Res.</i> 55:2959-2962 (1995).					
	Engelhardt et al., "Ablation of <i>E2A</i> in Recombinant Adenoviruses Improves Transgene Persistence and Decreases Inflammatory Response in Mouse Liver," <i>Natl. Acad. Sci. USA</i> 91:6196-6200 (1994).					
	Flægstad et al., "A Possible Contributory Role of BK Virus Infection in Neuroblastoma Development," <i>Cancer Res.</i> 59:1160-1163 (1999).					
	Freund et al., "Host Range and Cell Cycle Activation Properties of Polyomavirus Large T-Antigen Mutants Defective in pRB Binding," <i>J. Virol.</i> 68:7227-7234 (1994).					
EXAMINER /Q. Janice Li/ (09/19/2006)			DATE CONSIDERED			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 C.F.R. § 1.98(b))		Attorney Docket No. 00742/062004 Serial No. 10/828,815 Applicant Thomas L. Benjamin Filing Date April 21, 2004 Group 1632 IDS Filed October 4, 2004 Customer No. 21559				
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
	GenBank Accession No. AE000521					
	GenBank Accession No. AE000658					
	GenBank Accession No. AAH05460					
	GenBank Accession No. AI317046					
	GenBank Accession No. NP_038744					
	GenBank Accession No. T14150					
QJL	Ginisty et al., "Commentary: Structure and Functions of Nucleolin," <i>J. Cell Sci.</i> 112:761-772 (1999).					
	Glassman, "Chromosomal Abnormalities in Acute Leukemias," <i>Clin. Lab. Med.</i> 20:39-48 (2000).					
	Guilard et al., "G3BP is Overexpressed in Human Tumors and Promotes S Phase Entry," <i>Cancer Lett.</i> 162:213-221 (2001).					
	Hammer et al., "Spontaneous Inflammatory Disease in Transgenic Rats Expressing HLA-B27 and Human $\beta_2m$ : An Animal Model of HLA-B27-Associated Human Disorders," <i>Cell</i> 63:1099-1112 (1990).					
	Harvey and Levine, "p53 Alteration is a Common Event in the Spontaneous Immortalization of Primary BALB/c Murine Embryo Fibroblasts," <i>Genes &amp; Dev.</i> 5:2375-2385 (1991).					
	Imperiale, "The Human Polyomaviruses, BKV and JCV: Molecular Pathogenesis of Acute Disease and Potential Role in Cancer," <i>Virology</i> 267:1-7 (2000).					
EXAMINER /Q. Janice Li/ (09/19/2006)			DATE CONSIDERED			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 C.F.R. § 1.98(b))				Attorney Docket No. 00742/062004  Serial No. 10/828,815  Applicant Thomas L. Benjamin  Filing Date April 21, 2004  Group 1632  IDS Filed October 4, 2004  Customer No. 21559		
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
QJL	Kanai et al. "TAZ: A Novel Transcriptional Co-Activator Regulated by Interactions with 14-3-3 and PDZ Domain Proteins," <i>EMBO J.</i> 19:6778-6791 (2000).					
↓	Kilby et al., Site-Specific Recombinases: Tools for Genome Engineering," <i>Trends in Genetics</i> 9:413-420 (1993).					
↓	Kochanek et al., "A New Adenoviral Vector: Replacement of all Viral Coding Sequences with 28 kb of DNA Independently Expressing Both Full-Length Dystrophin and $\beta$ -Galactosidase," <i>Proc. Natl. Acad. Sci. USA</i> 93:5731-5736 (1996).					
↓	Köhler and Milstein, "Continuous Cultures of Fused Cells Secreting Antibody of Predefined Specificity," <i>Nature</i> 256:495-497 (1975).					
↓	Köhler and Milstein, "Derivation of Specific Antibody-Producing Tissue Culture and Tumor Lines by Cell Fusion," <i>Eur. J. Immunol.</i> 6:511-519 (1976).					
↓	Köhler et al., "Fusion between Immunoglobulin-Secreting and Nonsecreting Myeloma Cell Lines," <i>Eur. J. Immunol.</i> 6:292-295 (1976).					
↓	Kohlhase et al., "Isolation, Characterization, and Organ-Specific Expression of Two Novel Human Zinc Finger Genes Related to the <i>Drosophila</i> Gene <i>spall</i> ," <i>Genomics</i> 38:291-298 (1996).					
↓	Kohlhase et al., "Mutations in the <i>SALL1</i> Putative Transcription Factor Gene Cause Townes-Brocks Syndrome," <i>Nat. Genet.</i> 18:81-83 (1998).					
EXAMINER /Q. Janice Li/ (09/19/2006)				DATE CONSIDERED		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 C.F.R. § 1.98(b))		Attorney Docket No. 00742/062004 Serial No. 10/828,815 Applicant Thomas L. Benjamin Filing Date April 21, 2004 Group 1632 IDS Filed October 4, 2004 Customer No. 21559				
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
QJL	Kohlhase <i>et al.</i> , "SALL3, a New Member of the Human <i>spalt</i> -like Gene Family, Maps to 18q23," <i>Genomics</i> 62:216-222 (1999).					
↓	Kohlhase <i>et al.</i> , "Molecular Cloning of a SALL1-Related Pseudogene and Mapping to Chromosome Xp11.2," <i>Cytogenet. Cell Genet.</i> 84:31-34 (1999).					
↓	Kohlhase <i>et al.</i> , "Genomic Cloning, Chromosomal Mapping, and Expression Analysis of <i>Msa1-2</i> ," <i>Mamm. Genome</i> 11:64-68 (2000).					
↓	Laghi <i>et al.</i> , "JC Virus DNA Is Present in the Mucosa of the Human Colon and in Colorectal Cancers," <i>Proc. Natl. Acad. Sci. USA</i> 96:7484-7489 (1999).					
↓	Lednicky <i>et al.</i> , "Natural Simian Virus 40 Strains Are Present in Human Choroid Plexus and Ependymoma Tumors," <i>Virology</i> 212:710-717 (1995).					
↓	Li <i>et al.</i> , "Tumor Host Range Mutants of Polyoma Virus," Annual DNA Tumor Virus Meeting (Abstract 53) July 14-19, 1998.					
↓	Li <i>et al.</i> , "A Putative Transcription Factor Binds Polyoma Large T Antigen and Suppresses Viral DNA Replication," Annual DNA Tumor Virus Meeting (Abstract 37) July 13-18, 1999.					
↓	Li <i>et al.</i> , "MSAL2A: A Polyoma Large T Antigen Binding Target and Candidate Tumor Suppressor," Annual DNA Tumor Virus Meeting (Abstract 79) July 8-13, 2000.					
↓	Li <i>et al.</i> , "A Tumor Host Range Selection Procedure Identifies p150sal2 as a Target of Polyoma Virus Large T Antigen," <i>Proc. Natl. Acad. Sci. USA</i> 98:14619-14624 (2001).					
EXAMINER /Q. Janice Li/ (09/19/2006)			DATE CONSIDERED			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 (MODIFIED)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 C.F.R. §1.98(b))		Attorney Docket No. 00742/062004 Serial No. 10/828,815 Applicant Thomas L. Benjamin Filing Date April 21, 2004 Group 1632 IDS Filed October 4, 2004 Customer No. 21559				
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
QJL	Linardopoulos et al., "Deletion and Altered Regulation of $p16^{INK4a}$ and $p15^{INK4b}$ in Undifferentiated Mouse Skin Tumors," <i>Cancer Res.</i> 55:5168-5172 (1995).					
↓	Lo Coco et al., "The AML1 Gene: A Transcription Factor Involved in the Pathogenesis of Myeloid and Lymphoid Leukemias," <i>Haematologica</i> 82:364-370 (1997).					
↓	Lukacher et al., "Susceptibility to Tumors Induced by Polyoma Virus Is Conferred by an Endogenous Mouse Mammary Tumor Virus Superantigen," <i>J. Exp. Med.</i> , 181:1683-1692 (1995).					
↓	Lyznik et al., "FLP-Mediated Recombination of <i>FRT</i> Sites in the Maize Genome," <i>Nucleic Acids Research</i> 24:3784-3789 (1996).					
↓	McCormick, "ONYX-015 Selectivity and the p14ARF Pathway," <i>Oncogene</i> 19:6670-6672 (2000).					
↓	Miller and Vile, "Targeted Vectors for Gene Therapy," <i>FASEB J.</i> , 9:190-199 (1995).					
↓	Orita et al., "Detection of Polymorphisms of Human DNA by Gel Electrophoresis as Single-Strand Conformation Polymorphisms," <i>Proc. Natl. Acad. Sci. USA</i> 86:2766-2770 (1989).					
↓	Ott et al., "The Mouse Homolog of the Region Specific Homeotic Gene <i>spalt</i> of <i>Drosophila</i> Is Expressed in the Developing Nervous System and in Mesoderm-Derived Structures," <i>Mech. Dev.</i> 56:117-128 (1996).					
↓	Rannala, "Finding Genes Influencing Susceptibility to Complex Diseases in the Post-Genome Era," <i>Am. J. Pharmacogenomics</i> 1:203-221 (2001).					
↓	Sheffield et al., "Attachment of a 40-Base-Pair G+C-Rich Sequence (GC-Clamp) to Genomic DNA Fragments by the Polymerase Chain Reaction Results in Improved Detection of Single-Base Changes," <i>Proc. Natl. Acad. Sci. USA</i> 86:232-236 (1989).					
↓	Srivastava and Pollard, "Molecular Dissection of Nucleolin's Role in Growth and Cell Proliferation: New Insights," <i>FASEB J.</i> 13:1911-1922 (1999).					
EXAMINER /Q. Janice Li/ (09/19/2006)				DATE CONSIDERED		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No.	00742/062004	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 C.F.R. §1.98(b))				Serial No.	10/828,815	
				Applicant	Thomas L. Benjamin	
				Filing Date	April 21, 2004	
				Group	1632	
				IDS Filed	October 4, 2004	
				Customer No.	21559	
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
QJL	Sudol et al., "Characterization of the Mammalian YAP (Yes-Associated Protein) Gene and Its Role in Defining a Novel Protein Module, the WW Domain," <i>J. Biol. Chem.</i> 270:14733-14741 (1995).					
	Tada et al., "Long-Term Reduction of Serum Bilirubin Levels in Gunn Rats by Retroviral Gene Transfer <i>In Vivo</i> Liver Transpl. Surg. 4:78-88 (1998).					
	Tocque et al., "Ras-GTPase Activating Protein (GAP): A Putative Effector for Ras," <i>Cell Signal</i> 9:153-158 (1997).					
	Tuteja and Tuteja, "Nucleolin: A Multifunctional Major Nucleolar Phosphoprotein," <i>Crit. Rev. Biochem. Mol. Biol.</i> 33:407-436 (1998).					
	Velupillai et al., "Wild-Derived Inbred Mice Have a Novel Basis of Susceptibility to Polyomavirus-Induced Tumors," <i>J. Virol.</i> 73:10079-10085 (1999).					
	Verma and Somia, "Gene Therapy – Promises, Problems and Prospects," <i>Nature</i> 389:239-242 (1997).					
	Vinyals et al., "Failure of Wild-Type p53 Gene Therapy in Human Cancer Cells Expressing a Mutant p53 Protein," <i>Gene Therapy</i> 6:22-33 (1999).					
	Wattanapitayakul and Bauer, "Recent Developments in Gene Therapy for Cardiac Disease," <i>Biomed. Pharmacother.</i> 54:487-504 (2000).					
	Weggen et al., "Low Frequency of SV40, JC and BK Polyomavirus Sequences in Human Medulloblastomas, Meningiomas and Ependymomas," <i>Brain Pathol.</i> 10:85-92 (2000).					
	Yamamoto et al., "Reversal of Neuropathology and Motor Dysfunction in a Conditional Model of Huntington's Disease," <i>Cell</i> 101:57-66 (2000).					
	Yang et al., "p14 <sup>ARF</sup> Modulates the Cytolytic Effect of ONYX-015 in Mesothelioma Cells with Wild-Type p53," <i>Cancer Res.</i> 61:5959-5963 (2001).					
	Yap and McGee, "Slide PCR: DNA Amplification from Cell Samples on Microscopic Glass Slides," <i>Nucl. Acids Res.</i> 19:4294 (1991).					
✓	Zink et al., "Mammalian Genome Organization and its Implications for the Development of Gene Therapy Vectors," <i>Gene Ther. Mol. Biol.</i> 6:1-24 (2001).					
EXAMINER			/Q. Janice Li/ (09/19/2006)		DATE CONSIDERED	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						